

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/094249 A3

(51) International Patent Classification⁷: **B66B 7/12**

(21) International Application Number:
PCT/US2004/007901

(22) International Filing Date: 16 March 2004 (16.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **OTIS ELEVATOR COMPANY** [US/US]; Ten Farm Springs Road, Farmington, CT 06032 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VERONESI, William A.** [US/US]; 342 Fairfield Ave., Hartford, Connecticut 06114 (US). **STUCKY, Paul A.** [US/US]; 1038 Melbourne Avenue, Stockton, California 95203 (US).

(74) Agents: **GASKEY, David J.** et al.; CARLSON, GASKEY & OLDS, 400 West Maple Road, Suite 350, Birmingham, MI 48009 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

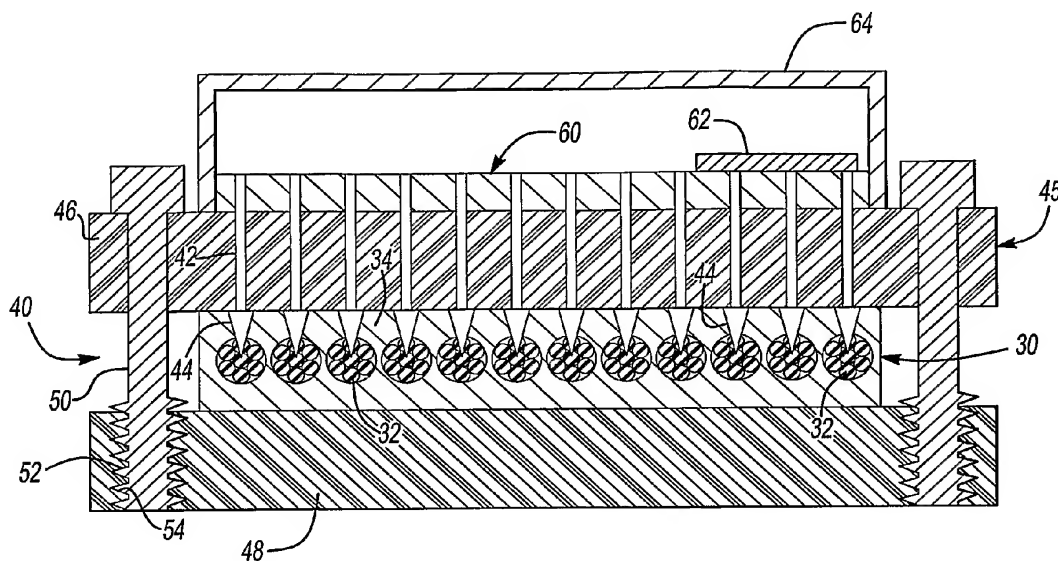
- of inventorship (Rule 4.17(iv)) for US only
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report

[Continued on next page]

(54) Title: ELECTRICAL CONNECTOR DEVICE FOR USE WITH ELEVATOR LOAD BEARING MEMBERS



(57) Abstract: An electrical connector device (40) for use with an elevator load bearing member (30) assembly includes at least one electrical connector member (42) for making electrically conductive contact with at least one tension member (32). A clamping member (45) supports the electrical connector member and facilitates manipulating the connector member to pierce through a coating (34) over the tension members (32). The clamping member (45) in one example has first (46) and second (48) portions received on opposite sides of the load bearing member (30). An adjuster (50) facilitates adjusting the relative positions of the clamping member portions to urge the electrical connector member through the coating and into electrically conductive contact with the tension member.

WO 2005/094249 A3



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:
29 December 2005